

Novocastra™

Epitope Retrieval Solution pH 9 (x10 Concentrate)

Product Code: RE7224

Intended Use

FOR RESEARCH USE ONLY.

Introduction

Novocastra® Epitope Retrieval Solution pH 9 (x10 Concentrate) is intended for Heat Induced Epitope Retrieval (HIER) on formalin-fixed, paraffin-embedded tissue sections as part of an immunohistochemical procedure. Heat Induced Epitope Retrieval is not recommended for all antibodies (see Recommendations for Use for primary antibody).

Reagents Provided

Novocastra® Epitope Retrieval Solution pH 9 (x10 Concentrate) - 1 L

Storage and Stability

Store at 2–8 °C. Do not freeze. Return to 2–8 °C immediately after use. Do not use after expiration date indicated on the product label.

Warnings and Precautions



One or more components in the product are hazardous.

A Material Safety Data Sheet is available upon request or available from www.LeicaBiosystems.com.

Procedure

Working Solution

Novocastra® Epitope Retrieval Solution pH 9 (x10 Concentrate) requires dilution with de-ionized water to prepare working solutions, by diluting 1 part concentrate with 9 parts de-ionized water.

The pressure cooker retrieval method should be inserted into an IHC protocol according to the manufacturer's instructions for the primary antibody and detection system.

1. Heat 1.5 L of the working solution until boiling in a pressure cooker. Cover but do not lock lid.
2. Position slides into metal staining racks (do not place slides close together as uneven staining may occur).
3. Lower into pressure cooker ensuring slides are completely immersed in retrieval solution. Lock lid.
4. When the pressure cooker reaches operating temperature and pressure, time for 1 minute (unless manufacturer indicates otherwise).
5. Remove pressure cooker from heat source and run under cold water with lid on. DO NOT OPEN LID UNTIL THE INDICATORS SHOW THAT PRESSURE HAS BEEN RELEASED.
6. Open lid, remove slides and place immediately in cool tap water.

This solution may also be used in other heat induced retrieval methods, protocol to be determined by the user.

Bibliography

Shi S-R, Key ME and Kalra KL. Antigen retrieval in formalin-fixed,paraffin-embedded tissues: an enhancement method for immunohistochemical staining based upon microwave oven heating of tissue sections. *Journal of Histochemistry and Cytochemistry*. 1991; 39:741–748.

Shi S-R, Cote RJ, Taylor CR. Antigen Retrieval Immunohistochemistry: Past, Present, and Future. *Journal of Histochemistry and Cytochemistry*. 1997; 45(3):327–343.

